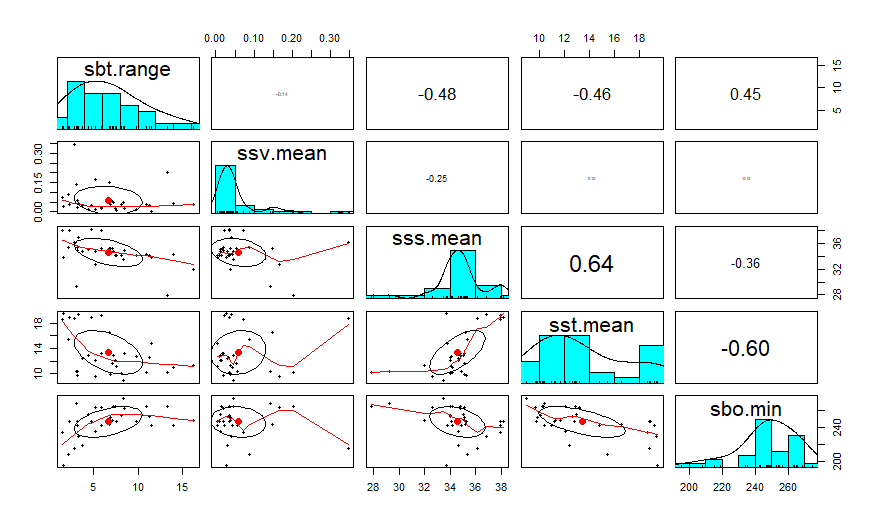


**Appendix S6**

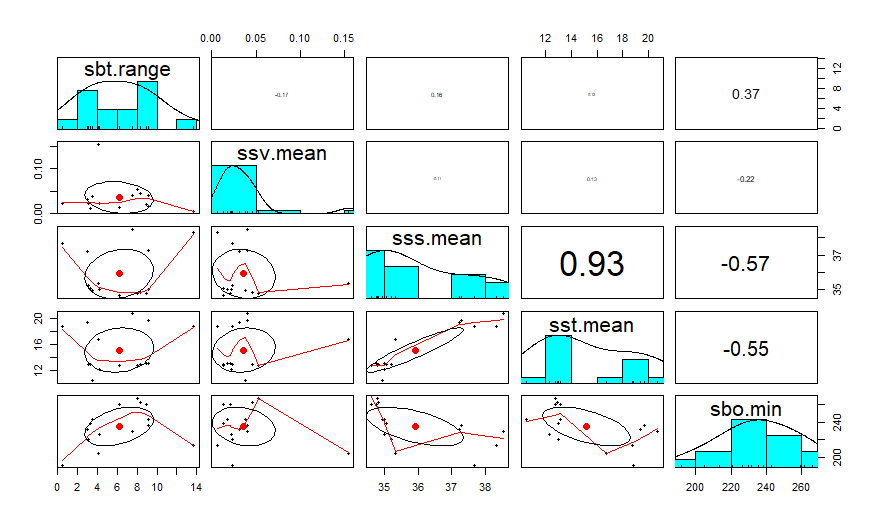
**Fig.S6.9a-e**: Heatmaps across the study range for the environmental variables investigated as factors in redundancy analyses (RDAs) also featuring genetic data (GEA-RDA) and genetic and spatial data (db-RDA). **A** = SST, **B** = SSS, **C** = SSV, **D** = SBT, and **E** = SBO. Data extracted from Bio-Oracle v2.0.

<https://bio-oracle.org/>

**Appendix S6**

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**Fig.S6.10:** Plot investigating collinearity in environmental variables across *H. gammarus* sampling sites that were run as factors in RDAs. Raw distributions of each parameter follow the diagonal, with pairwise regressions of datasets below and corresponding *R*2 values above.



**Fig.S6.11:** Plot investigating collinearity in environmental variables across *P. elephas* sampling sites that were run as factors in RDAs. Raw distributions of each parameter follow the diagonal, with pairwise regressions of datasets below and corresponding *R*2 values above. Mean SSS (surface salinity) and SST (surface temperature) co-vary to a degree that would usually require one to be removed (Forester, 2019), but both were retained in RDAs with *P. elephas* allele frequencies to ensure methodological standardisation between species.